

- I. Introduction – 2 Slides
  - a. Myself
  - b. Building
- II. Analyses Introduction – 1 Slide
  - a. Criteria for Evaluation
- III. Analysis 1: Roof System – 5 – 6 Slides
  - a. Problem Identification/Background
  - b. Results: Cost, Schedule, Cold Weather Construct., Owner Approval/Contractor Familiarity
  - c. Structural Breadth – Roof Deck Study
- IV. Analysis 2: Underground Spring – 5 – 6 Slides
  - a. Problem Identification/Background
  - b. Results: Cost, Schedule
  - c. Mechanical Breadth – Sizing of Sump Pump
- V. Analysis 3: CM to FM Info Delivery – 4 – 5 Slides
  - a. Problem Identification/Background
  - b. Research
  - c. Results
- VI. Analysis 4: Clean Room Coordination (Time Pending) – 4 – 5 Slides
- VII. Conclusion
  - a. Results Summary
  - b. Acknowledgements
- VIII. Appendices

Total Slides: 30 – 40



**Analysis 1**  
Clean Room Coordination

**Project Overview**

Analysis 1: Clean Room Coordination

Analysis 2: Roof System Redesign

Analysis 3: Underground Spring

Analysis 4: FM Information Delivery

Final Recommendations

Acknowledgments

**Background**

**University Engineering Building**  
Mid-Atlantic University, United States

**Problem Identification:**

- Both Messing and Boden have separate contracts w/ the Owner
- Coordination for the Clean Room is extremely intensive
- Slopes of Work
- Constructability

**Analysis 1**  
Clean Room Coordination

**Project Overview**

Analysis 1: Clean Room Coordination

Analysis 2: Roof System Redesign

Analysis 3: Underground Spring

Analysis 4: FM Information Delivery

Final Recommendations

Acknowledgments

**Project Organization**

**Old Contractual Obligations:**

- Messing used for Design, Coordination, contracted to Owner at time
- Messing shown as General Contractor, contracted to Owner
- Owner unsuccessfully attempted to transfer Messing contract to Messing

**New Contractual Obligations:**

- Messing has representation contract with Owner
- Messing awarded bid contract with the Owner
- Messing now acts as a subcontractor, construction contract with Messing

**University Engineering Building**  
Mid-Atlantic University, United States

**New Design-Bid-Build**  
Boden contract w/ Messing

**Analysis 2**  
Roof System Redesign

**Project Overview**

Analysis 1: Clean Room Coordination

Analysis 2: Roof System Redesign

Analysis 3: Underground Spring

Analysis 4: FM Information Delivery

Final Recommendations

Acknowledgments

**Roof Deck Study**

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Mid-Atlantic University, United States